

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A method for accessing in a computer system a data object ~~(201-x)~~ having an identifier (ID), comprising:

storing the ID in a second lock object ~~(204, 802,)~~ ~~and in case the storing has been performed successfully (803);~~ and

determining whether the ID was stored successfully, and upon a successful storage, checking, before accessing ~~said the~~ the data object, whether ~~said the~~ the ID is contained in a first lock object ~~(203, 804)~~ and in case yes if the ID is contained in the first lock object, whether a link to a storage location is assigned to ~~said the~~ the ID in ~~said the~~ the first lock object ~~(203, 805)~~, ~~and in case no if the link is not assigned to said the ID,~~ deleting the ID from the first lock object ~~(806)~~ and performing a read and/or write access on ~~said the~~ the data object ~~(807)~~, ~~else, skipping said deleting (806) and accessing (807) steps.~~

2. (Currently Amended) The method of claim 1, wherein ~~said the~~ the first lock object ~~(203)~~ is a file stored on a nonvolatile storage means ~~(107)~~.

3. (Currently Amended) The method of claim 1 ~~or 2~~, wherein ~~said the~~ the first lock object ~~(203)~~ comprises a table, having a column for the ID and a column for the link of the ID to a storage location.

4. (Currently Amended) The method of ~~one of claims claim 1 to 3~~, wherein a each data object (201.x) comprises one ~~ore~~ or more fields of one or more tables (201, 202) and wherein the ID comprises one or more key fields of the one or more tables (201, 202).

5. (Currently Amended) The method of ~~one of claims claim 4~~, wherein ~~said~~ the link is a filename or a link to a file.

6. (Currently Amended) The method of ~~one of claims claim 1 to 5~~, wherein ~~said~~ the first lock object (203) is created by a data moving process.

7. (Currently Amended) The method ~~one of claims claim 1 to 6~~, wherein the second lock object (204) is stored in a volatile storage means.

8. (Currently Amended) The method of ~~one of claims claim 1 to 7~~, wherein ~~said~~ the second lock object (204) is a data array.

9. (Currently Amended) The method of claim 8 ,wherein ~~said~~ the data array is one dimensional.

10. (Currently Amended) The method of ~~one of claims claim 1 to 9~~ for use in an enterprise resource planning software.

11. (Currently Amended) A computer system for processing data ~~by means of or in a software application~~, comprising:

[[-]] memory means for storing program instructions;

[[-]] input means for entering data;

[[-]] storage means for storing data;

[[-]] a processor responsive to the program instructions[[:]], wherein the

[[-]] program instructions ~~to carry out a method as of any of claims 1 to 10, if~~
~~executed~~ comprise program code means for performing a method for accessing a data
object having an identifier, the method comprising:

storing the ID in a second lock object; and

determining whether the ID was stored successfully, and upon a successful
storage, checking, before accessing the data object, whether the ID is contained in a
first lock object and if the ID is contained in the first lock object, whether a link to a
storage location is assigned to the ID in the first lock object, and if the link is not
assigned to the ID, deleting the ID from the first lock object and performing a read
and/or write access on the data object.

12. (Currently Amended) A computer readable medium comprising ~~program~~
~~code~~ instructions for performing a method for accessing a data object having an
identifier in a computer system, ~~as of any of claims 1 to 10 if said program code is~~
~~executed on a computer system~~ the method comprising:

storing the ID in a second lock object; and

determining whether the ID was stored successfully, and upon a successful
storage, checking, before accessing the data object, whether the ID is contained in a
first lock object and if the ID is contained in the first lock object, whether a link to a
storage location is assigned to the ID in the first lock object, and if the link is not

assigned to the ID, deleting the ID from the first lock object and performing a read and/or write access on the data object.

13. (Cancelled)
14. (Cancelled)
15. (New) The computer readable medium of claim 12, wherein the first lock object is a file stored on a nonvolatile storage means.
16. (New) The computer readable medium of claim 12, wherein the first lock object comprises a table, having a column for the ID and a column for the link of the ID to a storage location.
17. (New) The computer readable medium of claim 12, wherein each data object comprises one or more fields of one or more tables and wherein the ID comprises one or more key fields of the one or more tables.
18. (New) The computer readable medium of claim 12, wherein the link is a filename or a link to a file.
19. (New) The computer readable medium of claim 12, wherein the first lock object is created by a data moving process.
20. (New) The computer readable medium of claim 12, wherein the second lock object is stored in a volatile storage means.

21. (New) The computer readable medium of claim 12, wherein the second lock object is a data array.

22. (New) The computer readable medium of claim 12, wherein the data array is one dimensional.

23. (New) A computer system for processing data, comprising:
means for storing an identifier (ID) in a second lock object; and
means for determining whether the ID was stored successfully, and upon a successful storage, checking, before accessing the data object, whether the ID is contained in a first lock object and if the ID is contained in the first lock object, whether a link to a storage location is assigned to the ID in the first lock object, and if the link is not assigned to the ID, deleting the ID from the first lock object and performing a read and/or write access on the data object.

24. (New) The computer system of claim 23, wherein first lock object is a file stored on a nonvolatile storage means.

25. (New) The computer system of claim 23, wherein the first lock object comprises a table, having a column for the ID and a column for the link of the ID to a storage location.

26. (New) The computer system of claim 23, wherein each data object comprises one or more fields of one or more tables and wherein the ID comprises one or more key fields of the one or more tables.

27. (New) The computer system of claim 23, wherein the link is a filename or a link to a file.

28. (New) The computer system of claim 23, wherein the first lock object is created by a data moving process.

29. (New) The computer system of claim 23, wherein the second lock object is stored in a volatile storage means.

30. (New) The computer system of claim 23, wherein the second lock object is a data array.

31. (New) The computer system of claim 23, wherein the data array is one dimensional.